

# Smoke Management

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## Super-Fog

Purpose: to discover the underlying causes of super dense fog/smoke. Super-fog is a serious hazard to transportation.

## Plume Behavior

Purpose: to document the existence and discover causes behind erratic plume behavior such as plume descent far from prescribed burns.

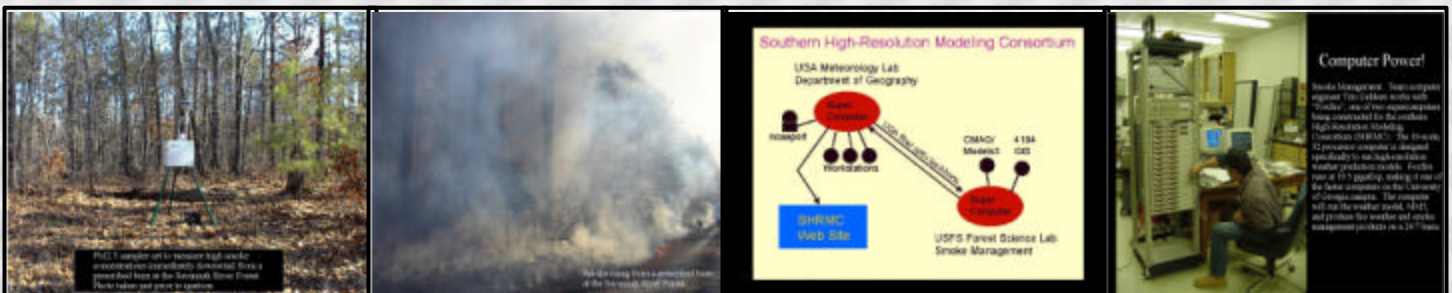


## Smoke Concentration

Purpose: to develop statistical link between weather and measured downwind smoke concentrations for various burn practices.

## SHRMC (Modeling Consortia)

Purpose: to provide fire weather and smoke management products derived from high-resolution weather models on a 24/7 basis.



## PB-Piedmont

Purpose: to monitor and predict the movement of smoke near the ground at night over terrain characteristic of that of the Piedmont.

## PB-Coastal Plain

Purpose: to monitor and predict the movement of smoke near the ground at night within 20 miles of coasts where land/water influences winds.

